Project Title	Funding	Strategic Plan Objective	Institution
Metabolic biomarkers of autism: Predictive potential and genetic susceptibility	$351,076	Q1.L.A	Arkansas Children's Hospital Research Institute
Baby Siblings Research Consortium	$111,700	Q1.S.B	Autism Speaks (AS)
Neural economics of biological substrates of valuation	$383,750	Q1.L.C	Baylor College of Medicine
Computer adaptive testing of adaptive behavior of children and youth with autism	$284,375	Q1.S.A	Boston University
Novel methods for testing language comprehension in children with ASD	$82,537	Q1.S.B	Boston University
Neurophysiological investigation of language acquisition in infants at risk for ASD	$28,000	Q1.L.A	Boston University
Neurobehavioral research on infants at risk for SLI and autism	$691,847	Q1.L.A	Boston University Medical Campus
Temperament, emotional expression, and emotional self-regulation in relation to later ASD diagnosis	$0	Q1.L.A	Bryn Mawr College
Multiple social tasks and social adjustment	$145,000	Q1.L.B	California State University, Northridge
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$898,860	Q1.L.B	Carnegie Mellon University
Psychometric evaluation of the autism symptom diagnostic scale	$8,975	Q1.S.A	Center for Autism and Related Disorders (CARD)
Validation of a Korean version of the QABF with children with ASD	$10,320	Q1.S.B	Center for Autism and Related Disorders (CARD)
The functions of stereotypy in children with ASD	$11,095	Q1.L.C	Center for Autism and Related Disorders (CARD)
Psychometric evaluation of the QABF in children with ASD	$11,069	Q1.Other	Center for Autism and Related Disorders (CARD)
Evaluation of behavior problems in children with ASD	$30,025	Q1.Other	Center for Autism and Related Disorders (CARD)
Multiplexed suspension arrays to investigate newborn and childhood blood samples for potential immune biomarkers of autism	$0	Q1.L.A	Centers for Disease Control and Prevention (CDC)
RNA expression studies in autism spectrum disorders	$250,000	Q1.L.A	Children's Hospital Boston
Signatures of gene expression in autism spectrum disorders	$75,000	Q1.L.A	Children's Hospital Boston
Electrophysiological, metabolic and behavioral markers of infants at risk	$378,751	Q1.L.A	Children's Hospital Boston
Electrophysiological signatures of language impairment in autism spectrum disorder (supplement)	$55,828	Q1.L.B	Children's Hospital of Philadelphia
Electrophysiological signatures of language impairment in autism spectrum disorder	$357,248	Q1.L.B	Children's Hospital of Philadelphia
2/2 Development of a screening interview for research studies of ASD	$372,239	Q1.S.A	Cincinnati Children's Hospital Medical Center
Characterizing ASD phenotypes by multimedia signal and natural language processing	$263,303	Q1.L.C	Columbia University

Project Title	Funding	Strategic Plan Objective	Institution
Video game environments for the integrative study of perception, attention and social cognition in autism and autism sibs	$0	Q1.L.B	Cornell University
Social and statistical mechanisms of prelinguistic vocal development	$87,965	Q1.Other	Cornell University
Eyeblink in children and adolescents with autism spectrum disorders: A pilot study	$192,500	Q1.Other	Drexel University
Gene dosage imbalance in neurodevelopmental disorders	$696,220	Q1.S.E	Emory University
Attention to social and nonsocial events in children with autism	$118,924	Q1.S.B	Florida International University
Development of intermodal perception of social events: Infancy to childhood	$312,573	Q1.L.C	Florida International University
Intersensory perception of social events: Typical and atypical development	$133,861	Q1.L.C	Florida International University
Improving and streamlining screening and diagnosis of ASD at 18-24 months of age	$968,011	Q1.S.B	Florida State University
Early social communication characteristics of ASD in diverse cultures in the US and Africa	$226,872	Q1.S.B	Florida State University
Social communication phenotype of ASD in the second year	$249,084	Q1.L.C	Florida State University
Language learning in autism	$191,584	Q1.L.C	Georgetown University
The development of joint attention after infancy	$303,992	Q1.L.C	Georgia State University
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$1,965,067	Q1.L.B	Georgia Tech Research Corporation
Identifying gastrointestinal (GI) conditions in children with autism spectrum disorders (ASD)	$127,500	Q1.L.A	Harvard Medical School
Neural processes of eye gaze perception and its influence on learning in infancy	$54,416	Q1.Other	Hunter College (City University of New York)
Computer Assisted Autism Care (CAAC)	$497,540	Q1.S.B	Indiana University - Purdue University at Indianapolis
Biomarkers and diagnostics for ASD	$149,600	Q1.S.A	Institute of Biotechnology
The development of Chinese versions of the ADOS and ADI-R	$127,500	Q1.S.B	Johns Hopkins Bloomberg School of Public Health
Receptive vocabulary knowledge in low-functioning autism as assessed by eye movements, pupillary dilation, and event-related potentials	$0	Q1.L.C	Johns Hopkins University
Autism spectrum disorder in Down syndrome: A model of repetitive and stereotypic behavior for idiopathic ASD	$60,000	Q1.L.B	Kennedy Krieger Institute
Autism: Social and communication predictors in siblings	$751,225	Q1.L.B	Kennedy Krieger Institute
Imitation in autism	$61,000	Q1.L.B	King's College London

Project Title	Funding	Strategic Plan Objective	Institution
Identification of lipid biomarkers for autism	$0	Q1.L.A	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$300,000	Q1.L.B	Massachusetts Institute of Technology
Innovative assessment methods for autism: A proof of principle investigation of "nonverbal" autism	$72,116	Q1.L.C	McMaster University
Growth and maturation in children with autism	$27,518	Q1.L.B	National Institutes of Health
Clinical and behavioral phenotyping of autism and related disorders	$1,926,685	Q1.L.B	National Institutes of Health
Using a direct observation assessment battery to assess outcome of early intensive behavioral intervention for children with autism	$20,000	Q1.L.B	New England Center for Children
Translational developmental neuroscience of autism	$143,617	Q1.L.B	New York University School of Medicine
How words and sounds influence category formation in infancy	$129,865	Q1.Other	Northwestern University
Automated measurement of dialogue structure in autism	$0	Q1.S.A	Oregon Health & Science University
Functional brain networks in autism and attention deficit hyperactivity disorder	$37,463	Q1.L.B	Oregon Health & Science University
HCC: Medium: Automatic detection of atypical patterns in cross-modal affect	$410,667	Q1.L.B	Oregon Health & Science University
Expressive crossmodal affect integration in autism	$191,367	Q1.L.C	Oregon Health & Science University
Online communication assessment to improve outcomes for individuals with severe disabilities	$0	Q1.Other	Oregon Health & Science University
Prosodic and pragmatic processes in highly verbal children with autism	$149,999	Q1.L.C	President & Fellows of Harvard College
Placental vascular tree as biomarker of autism/ASD risk	$0	Q1.L.A	Research Foundation for Mental Hygiene, Inc.
Assessing information processing and capacity for understanding language in non-verbal children with autism	$113,873	Q1.L.C	Rutgers, The State University of New Jersey; City University of New York
A novel quantitative framework to study lack of social interactions in autism	$210,000	Q1.L.B	Rutgers, The State University of New Jersey - New Brunswick
Think Asperger's	$0	Q1.S.A	Southwestern Autism Research & Resource Center (SARRC)
Naturalistic observation diagnostic assessment for autism	$0	Q1.S.A	Southwestern Autism Research & Resource Center (SARRC)
Family/Genetic study of autism	$70,000	Q1.L.A	Southwestern Autism Research & Resource Center (SARRC)

Project Title	Funding	Strategic Plan Objective	Institution
Oxytocin biology and the social deficits of autism spectrum disorders	$112,500	Q1.L.A	Stanford University
International trends in diagnoses and incidence of autism spectrum disorders	$0	Q1.S.B	Telethon Institute for Child Health Research
The creation of ASDRA (Autism Spectrum Disorder Risk Alert)	$892,640	Q1.S.A	Tiranoff Productions, LLC
Improving accuracy and accessibility of early autism screening	$518,904	Q1.S.A	Total Child Health, Inc.
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$149,965	Q1.L.B	Trustees of Boston University
Clinical and gene signatures of ASDs	$0	Q1.S.E	University of British Columbia
Infants at risk of autism: A longitudinal study	$599,598	Q1.L.A	University of California, Davis
Electrophysiological correlates of cognitive control in autism	$129,144	Q1.L.B	University of California, Davis
Cellular structure of the amygdala in autism	$47,606	Q1.L.B	University of California, Davis
Analyses of brain structure and connectivity in young children with autism	$90,000	Q1.L.B	University of California, Davis
Visual processing and later cognitive effects in infants with fragile X syndrome	$247,125	Q1.Other	University of California, Davis
Validity of an anxious subtype in autism spectrum disorders	$46,670	Q1.L.B	University of California, Los Angeles
Neuroimaging of autism spectrum disorders	$12,157	Q1.L.B	University of California, Los Angeles
ACE Center: The development of the siblings of children with autism: A longitudinal study	$324,955	Q1.L.B	University of California, Los Angeles
Neuroimaging & symptom domains in autism	$6,078	Q1.L.B	University of California, Los Angeles
ACE Center: MRI studies of early brain development in autism	$364,247	Q1.L.A	University of California, San Diego
Development of neural pathways in infants at risk for autism spectrum disorders (supplement)	$244,282	Q1.L.A	University of California, San Diego
Development of neural pathways in infants at risk for autism spectrum disorders	$325,029	Q1.L.A	University of California, San Diego
ACE Center: Integrated Biostatistical and Bioinformatic Analysis Core (IBBAC)	$208,661	Q1.L.A	University of California, San Diego
Are autism spectrum disorders associated with leaky-gut at an early critical period in development?	$309,000	Q1.L.A	University of California, San Diego
ACE Center: Clinical Phenotype: Recruitment and Assessment Core	$361,993	Q1.L.A	University of California, San Diego
Studying the biology and behavior of autism at 1-year: The Well-Baby Check-Up approach	$275,152	Q1.L.A	University of California, San Diego

Project Title	Funding	Strategic Plan Objective	Institution
INT2-Large: Collaborative research: Developing social robots	$530,000	Q1.Other	University of California, San Diego
Magnetic source imaging and sensory behavioral characterization in autism	$176,229	Q1.L.B	University of California, San Francisco
Child-initiated communicative interactions and autism intervention (supplement)	$95,687	Q1.L.B	University of California, Santa Barbara
Child-initiated communicative interactions and autism intervention	$321,056	Q1.L.B	University of California, Santa Barbara
Emotional mimicry in children with autism	$50,474	Q1.L.B	University of Colorado Denver
Early detection of pervasive developmental disorders (supplement)	$207,828	Q1.S.A	University of Connecticut
Early detection of pervasive developmental disorders	$1,032,220	Q1.S.A	University of Connecticut
Language development and outcome in children with autism	$321,874	Q1.L.C	University of Connecticut
Abnormal vestibulo-ocular reflexes in autism: A potential endophenotype	$0	Q1.L.A	University of Florida
University of Georgia – Carolina Autism Resource and Evaluation Center (UGA-CARES): A collaborative autism screening project utilizing web-based technology	$40,000	Q1.S.B	University of Georgia
Interactions between mothers and young children with ASD: Associations with maternal and child characteristics	$0	Q1.L.C	University of Haifa
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$300,000	Q1.L.B	University of Illinois at Urbana-Champaign
Pupil size and circadian salivary variations in autism spectrum disorder	$70,035	Q1.L.A	University of Kansas
Quantitative analysis of craniofacial dysmorphology in autism	$137,861	Q1.S.A	University of Massachusetts Medical School
The emergence of emotion regulation in children at-risk for autism spectrum disorder	$49,537	Q1.L.A	University of Miami
Automated measurement of facial expression in autism: Deficits in facial nerve function?	$0	Q1.L.B	University of Miami
Emotion, communication, & EEG: Development & risk	$295,172	Q1.L.B	University of Miami
Cognitive control and social engagement among younger siblings of children with autism	$0	Q1.L.C	University of Miami
INT2-Large: Collaborative research: Developing social robots	$87,500	Q1.Other	University of Miami
Development of a brief screener for research in autism spectrum disorders	$497,915	Q1.S.A	University of Michigan

Project Title	Funding	Strategic Plan Objective	Institution
1/2 Development of a screening interview for research studies of ASD	$665,065	Q1.S.A	University of Michigan
Neural mechanisms underlying obsessive compulsiveness in ASD	$32,934	Q1.L.B	University of Michigan
Autism dysmorphology measure validity study	$195,570	Q1.S.A	University of Missouri
Validation study of atypical dynamic pupillary light reflex as a biomarker for autism	$204,525	Q1.L.A	University of Missouri
Atypical pupillary light reflex in individuals with autism	$0	Q1.Other	University of Missouri
ACE Network: A longitudinal MRI study of infants at risk for autism	$3,283,233	Q1.L.A	University of North Carolina at Chapel Hill
Supplement to NIH ACE Network grant: "A longitudinal MRI study of infants at risk for autism"	$135,000	Q1.L.A	University of North Carolina at Chapel Hill
Emotion-modulated psychophysiology of autism spectrum disorders	$156,781	Q1.Other	University of North Carolina at Chapel Hill
Sensory experiences in children with autism	$483,083	Q1.Other	University of North Carolina at Chapel Hill
Early social and emotional development in toddlers at genetic risk for autism	$373,244	Q1.L.A	University of Pittsburgh
Defining high and low risk expression of emotion in infants at risk for autism	$0	Q1.L.A	University of Pittsburgh
Early identification of autism: A prospective study	$519,453	Q1.L.A	University of Pittsburgh
Temporal coordination of social communicative behaviors in infant siblings of children with autism	$28,000	Q1.L.A	University of Pittsburgh
Sensory integration and language processing in autism	$152,394	Q1.L.C	University of Rochester
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$300,000	Q1.L.B	University of Southern California
Family studies of sensorimotor and neurocognitive heterogeneity in autism spectrum disorders (ASD)	$588,544	Q1.L.B	University of Texas Southwestern Medical Center at Dallas
Genomic identification of autism loci	$1,483,822	Q1.S.E	University of Washington
Observational and electrophysiological assessments of temperament in infants at risk for autism spectrum disorders	$0	Q1.L.A	University of Washington
A longitudinal 3-D MRSI study of infants at high risk for autism	$219,046	Q1.L.A	University of Washington
Neurophysiological indices of risk and outcome in autism	$51,300	Q1.L.A	University of Washington
ACE Center: Linguistic and social responses to speech in infants at risk for autism	$304,817	Q1.L.A	University of Washington
ACE Center: Early detection and intervention in infants at risk for autism	$620,446	Q1.L.B	University of Washington
Social-emotional development of infants at risk for autism spectrum disorders	$604,960	Q1.L.B	University of Washington

Project Title	Funding	Strategic Plan Objective	Institution
Amygdala structure & biochemistry in adolescents with autism	$40,073	Q1.L.B	University of Wisconsin - Madison
Early language development within the autism spectrum (supplement)	$27,942	Q1.L.C	University of Wisconsin - Madison
Early language development within the autism spectrum	$508,490	Q1.L.C	University of Wisconsin - Madison
Early language development within the autism spectrum (supplement)	$33,417	Q1.L.C	University of Wisconsin - Madison
Social-affective bases of word learning in fragile X syndrome and autism	$556,374	Q1.Other	University of Wisconsin - Madison
Predicting useful speech in children with autism	$662,075	Q1.L.B	Vanderbilt University
Developmental characteristics of MRI diffusion tensor pathway changes in autism	$252,636	Q1.L.A	Washington University
Ethnicity and the elucidation of autism endophenotypes	$0	Q1.L.B	Washington University in St. Louis
The intersection of autism and ADHD	$158,242	Q1.L.B	Washington University in St. Louis
Misregulation of BDNF in autism spectrum disorders	$75,000	Q1.L.A	Weill Cornell Medical College
Test of integrated language and literacy skills validation research	$494,642	Q1.Other	Western Michigan University
Early detection of autism through acoustic analysis of cry	$260,153	Q1.S.B	Women and Infants Hospital of Rhode Island
Biomarkers for autism and for gastrointestinal and sleep problems in autism	$0	Q1.L.A	Yale University
Prospective study of infants at high risk for autism	$292,249	Q1.L.A	Yale University
ACE Center: Gaze perception abnormalities in infants with ASD	$304,365	Q1.L.A	Yale University
The ontogeny of social visual engagement in infants at risk for autism	$600,325	Q1.L.A	Yale University
ACE Center: Assessment Core	$570,490	Q1.L.A	Yale University
Physical and clinical infrastructure for research on infants-at-risk for autism at Yale	$439,163	Q1.L.A	Yale University
Model diagnostic lab for infants at risk for autism	$599,992	Q1.L.A	Yale University
Brain-behavior growth charts of altered social engagement in ASD infants	$125,000	Q1.L.A	Yale University
Development of face processing in infants with autism spectrum disorders	$413,750	Q1.L.B	Yale University
CDI-Type I: Understanding regulation of visual attention in autism through computational and robotic modeling	$175,000	Q1.L.B	Yale University
Social evaluation in infants and toddlers	$413,750	Q1.L.B	Yale University
Extraction of functional subnetworks in autism using multimodal MRI	$384,865	Q1.L.B	Yale University

Project Title	Funding	Strategic Plan Objective	Institution
Perception of social and physical contingencies in infants with ASD	$413,750	Q1.L.B	Yale University
ACE Center: Eye-tracking studies of social engagement	$304,508	Q1.L.B	Yale University
Performance indices of social disability in toddlers with autism	$495,558	Q1.L.B	Yale University
Performance indices of social disability in toddlers with autism (supplement)	$121,484	Q1.L.B	Yale University
Perceptual factors affecting social attention in autism spectrum disorders	$82,750	Q1.L.B	Yale University
Developmental processes, trajectories, and outcomes in autism	$292,249	Q1.L.C	Yale University
Developmental social neuroscience in infants at-risk for autism	$180,659	Q1.L.C	Yale University
ACE Center: Auditory mechanisms of social engagement	$273,542	Q1.Other	Yale University
Connectivity in social brain systems in autism	$255,300	Q1.Other	Yale University
The development of selective attention in infancy as measured by eye movements	$53,376	Q1.Other	York University